International application No.

PCT/AU2004/001833

A.	CLASSIFICATION OF SUBJECT MATTER			
	A61M 16/00			
	International Patent Classification (IPC) or to both na	ational classification and IPC		
	FIELDS SEARCHED		-	
	umentation searched (classification system followed by class	sification symbols)		
•				
	searched other than minimum documentation to the exten		ned	
DWPI:IPC	base consulted during the international search (name of de A61M & keywords: (breath, CPAP, ventilator, r synchronise, phase, predetermine, nasal, nose, r	espirator, sense, detect, control, regulate, p	ressure, time, and similar	
C.	DOCUMENTS CONSIDERED TO BE RELEVANT			
Category*	Citation of document, with indication, where appro	opriate, of the relevant passages	Relevant to claim No.	
· X	GB 2294400 A (INNOVATIVE MEDICAL SYSTEMS INC) 1 May 1996 Whole document			
A	EP 0188071 B1 (TOTTORI UNIVERSITY) 3 August 1988 Whole document			
Α	DE 10164446 A1 (MAP MEDIZIN-TECHNO Whole document	DLOGIE GMBH) 10 July 2003	1-17	
. X I	Further documents are listed in the continuation	of Box C X See patent family ann	ex ·	
"A" docume	sidered to be of particular relevance cor	or document published after the international filing date or p affict with the application but cited to understand the princip derlying the invention	riority date and not in ble or theory	
	application or patent but published on or after the "X" doo or or alo alo	sument of particular relevance; the claimed invention canno cannot be considered to involve an inventive step when the	document is taken	
or whice	ent which may throw doubts on priority claim(s) th is cited to establish the publication date of inversitation or other special reason (as specified)	nument of particular relevance; the claimed invention canno olve an inventive step when the document is combined with the documents, such combination being obvious to a person s	one or more other	
or other	r means	cument member of the same patent family		
	ent published prior to the international filing date or than the priority date claimed		·	
	tual completion of the international search	Date of mailing of the international search report	_	
17 February		2 3 FEB 2009 Authorized officer	<u> </u>	
	iling address of the ISA/AU			
PO BOX 200,	N PATENT OFFICE , WODEN ACT 2606, AUSTRALIA	KAREN VIOLANTE		
E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929 Telephone No : (02) 6283 7933				
raconinie NO.	(02) 0203 3727			

International application No.

PCT/AU2004/001833

C (Continuation	n). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0956877 B1 (SIEMENS-ELEMA AB) 26 November 2003 Whole document	1-17
A	WO 2000/047260 A1 (MALLINCKRODT DEVELOPPEMENT FRANCE) 17 August 2000 Whole document	1-17
A	JP 2001259036 A (TEIJIN LTD) 25 September 2001 Whole document	1-17
A	AU 40463/95 (703829) B2 (SUNRISE MEDICAL HHG INC) 4 April 1999 Whole document	1-18
. A	WO 2003/039637 A1 (FISHER & PAYKEL HEALTHCARE LIMITED) 15 May 2003 Whole document	18
P,A	WO 2004/078246 A1 (RESMED LIMITED) 16 September 2004 Whole document	18
P,A	JP 2004105230 A (TEIJIN LTD) 8 April 2004 Whole document	18
· •		

International application No.

PCT/AU2004/001833

Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international	ational search report has not been established in respect of certain claims under Article 17(2)(a) for the following
1.	Claims Nos.:
المسيا	because they relate to subject matter not required to be searched by this Authority, namely:
2.	Claims Nos.:
	because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
·	
3.	Claims Nos.:
	because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)
Box No. II	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Intern	ational Searching Authority found multiple inventions in this international application, as follows:
	
See att	ached sheet
1. X	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
	·
•	
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark or	The additional search fees were accompanied by the applicant's protest.
	X No protest accompanied the payment of additional search fees.

International application No.

PCT/AU2004/001833

Sun	nler	nen	tet	Box	•
Jup		мсц	ıaı	LJUA	

(To be used when the space in any of Boxes I to VIII is not sufficient)

Continuation of Box No: III

The international application does not comply with the requirements of unity of invention because it does not relate to one invention or to a group of inventions so linked as to form a single general inventive concept. In coming to this conclusion the International Searching Authority has found that there are different inventions as follows:

- 1. Claims 1-17 are directed to CPAP apparatus and a method of controlling the blower operation. It is considered that the step of 'controlling the pressure in synchrony with the patient's breathing cycles' comprises a first "special technical feature".
- 2. Claim 18 is directed to a method of detecting the presence of mouth leak. It is considered that the 'method steps' comprises a second "special technical feature".

Since the above mentioned groups of claims do not share any of the technical features identified, a "technical relationship" between the inventions, as defined in PCT rule 13.2 does not exist. Accordingly the international application does not relate to one invention or to a single inventive concept, a priori.

It is considered that search and examination for the second invention will require more than a little additional search and examination effort over that for the first invention, and therefore an additional search fee is warranted.

Information on patent family members

International application No.

PCT/AU2004/001833

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
GB	2294400	CA	2161374	DE	19540344	FR	2726191
		US	5645054	wo	1993/024169		
EP	0188071	CA	1262223	JР	61131756	US	4681099
DE	10164446		NONE				
EP	0956877	JР	2000000307	US	6240920		
wo	2000/047260	CA	2361629	EP	1150731	FR	2789592
		US	6761167				
JР	2001259036	•	NONE				•
AU	4046395	AU	13181/99	AU	40463/95	AU	93238/98
	•	BR	9505908	CA	2163855	EP	0722747
		US	5551419		•		
wo	2003/039637	,	NONE			•	•
wo	2004/078246	US	2004231670				
ЛР	2004105230		NONE	•	•		

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX